

COMPRESSIBLE FOAM TAPES AND METHOD OF MANUFACTURE THEREOF

Abstract

An improved foam cushion tape comprises a compressible polyurethane foam layer having a first side and an opposite second side; a composite reinforcing film comprising an anchoring layer and a reinforcing layer, wherein the second side of the polyurethane foam is disposed on the anchoring layer of the reinforcing film; a first adhesive disposed on the first
5 side of the compressible polyurethane foam; and a second adhesive disposed on the reinforcing layer of the composite reinforcing film. The anchoring layer comprises at least one non-olefinic polymer, such as polyvinylidene chloride (PVDC), polyurethane, nylon, or the like.

An economical method for the manufacture of thin, foam cushion tapes for
10 flexographic printing is further provided, comprising casting a curable polyurethane foam composition directly onto the anchoring layer of a composite reinforcing film having a first anchoring layer and a second reinforcing layer, followed by curing the foam composition to form a compressible polyurethane foam.